

**CRANE OPERATOR  
LEADER  
WL-5725-10**

**TRANSPORTATION  
OPERATIONS**

**POSITION DESCRIPTION****DOCUMENT NAME/#: TMP00085****I. POSITION AND ORGANIZATION INFORMATION****Position:**

Crane Operator Leader, WL-5725-1410

**Purpose of position:**

Employee operates cranes.

**Organization:**

Transportation Branch

**Organization goals:****II. MAJOR DUTIES****A. Duty:**

Operates boom cranes using special materials handling attachments. Works in a variety of outside areas where maneuverability is restricted and accuracy is critical. Work requires operating with extreme boom lengths and angles to move large, heavy, or awkward loads that are near or at the crane's lifting capacity. (85%)

**Tasks:**

1. Performs visual and operational checks of equipment on a continuing basis and immediately reports defects to the supervisor.
2. Attaches hooks, magnets, clamshell buckets, and other special material handling devices as required.
3. Maneuvers loads safely in extremely congested areas where movement of both the load and the boom are restricted.
4. Determines or estimates weight of loads to be lifted considering equipment capacities and capabilities.
5. Plans and makes moves needed to safely position the crane and to complete precise load placements or other movements while operating near or at the crane's lifting capacity.
6. Operates with extreme boom lengths and angles under conditions causing greatly reduced lifting capacity and extremely restricted maneuverability.
7. Watches the load and the boom and compensates for variations in the crane's lifting capacity while changing positions.
8. Observes standard safety rules and regulations and reports unsafe conditions; follows signals from designated ground personnel to accomplish placements where visibility is limited.
9. Performs operator maintenance as prescribed by applicable guidelines.

**B. Duty:**

May be required to act as Equipment Operator (1%)  
Performs typical duties of a Working Leader. (14%)

**Tasks:**

1. Passing on to other workers the instructions received from supervisors and getting work started, e.g., by assigning the immediate tasks to be performed by individual member of the group led;
2. Working along with other workers and setting the pace;
3. Demonstrating proper work methods;
4. Ensure needed plans, blueprints, materials, and tools are available, and that needed stock is obtained from supply locations;
5. Obtaining needed information or decisions from supervisors on problems that come up during the work;
6. Maintaining current knowledge, and answering questions of other workers on procedures, policies, written instructions, and other directives (e.g., technical orders);
7. Ensuring that there is enough work to keep everyone in the work crew busy;
8. Checking work while in progress and when finished to see whether the supervisor's instructions on work sequence, procedures, methods, and deadlines have been met;
9. Urging or advising other workers to follow instructions received from supervisors, and to meet most deadlines;
10. Assuring that safety and housekeeping rules are followed;
11. Reporting to the supervisors on status and progress of work and causes of work delays; and
12. Answering questions of supervisors on overall work operations and problems.
  1. This is a Testing Designated Position. The employee is subject to random drug testing.
  2. This position requires the employee to drive a motor vehicle. Employee must possess a valid California Commercial Driver's License (CDL) for vehicles class "A" and GVW 26001 lbs or more and a Government Vehicle Operators License.
  3. This position requires the employee to possess the applicable license(s) or authorizations(s) to operate assigned equipment.
  4. This position is the Official Designated Certifying Crane Operator for the WHE Program.

**III. CLASSIFICATION FACTORS**

**Factor 1. Knowledge**

1. - Knowledge of boom crane operation to compensate for changes in the lifting capacity caused by variations in the angle of the boom, length of the boom, position of the revolving frame, and the slope of the terrain.

- General knowledge of weights of various materials and ability to estimate the weight of various materials when the weight of the load is unknown.

- Ability to determine what moves the crane must make to complete the load placement and to assure that the lifting capacity is not exceeded while operating near or at lifting capacity in extremely congested areas.

- Skill to produce exact movements while precisely setting loads onto or into other objects. Ability to move loads based on "feel," or other signals while loads are out of the operator's line of vision.

- Skill in operating clutches, lever, brakes, and accelerator to raise and lower the boom, to position the revolving frame, to raise and lower the hoist line with the load, and to move the mobile base. Thorough knowledge of the crane's response to control changes.

- Exceptional visual and physical coordination, intense concentration, and unusual alertness is necessary to simultaneously operate the crane controls, make difficult clearance judgments while watching the moving load and boom, and compensate for variations in the crane's lifting capacity during position changes.

- Ability to understand the use of outriggers or railroad switching and signaling systems as required.

- Knowledge of safety procedures.

**Factor 2. Responsibility**

The foreman or other appropriate supervisory authority provides general instructions. When working near obstructions, the operator is responsible for considering the safest routing of the load, clearances along the route, position changes needed to complete the move, and the effect of these changes on the crane's lifting capacity. The determinations made while changing positions are critical due to the great possibility of exceeding the crane's lifting capacity, injuring personnel, and damaging the load, crane, and obstructions while making position changes.

**Factor 3. Physical Effort**

Exerts considerable effort in pushing, pulling, and depressing the various levers, clutches, and brakes to make continual control changes to maneuver the crane and load around obstructions, to stay within the lifting capacity, and to position the load at the desired location. Is subject to body strains from bending and twisting in order to observe movements and signals. Must be able to lift up to 50 pounds.

**Factor 4. Working Conditions**

**POSITION DESCRIPTION****DOCUMENT NAME/#: TMP00085**

Works outdoors in a partially enclosed crane cab in all types of weather and is exposed to unpleasant noise, heat, and fumes produced by the engine. The possibility of injury caused by swinging loads or from the crane overturning is great since work is frequently performed near or at the crane's lifting capacity.

## IV. CLASSIFICATION SUMMARY

## In this position:

Duty A. 85% WG-5725-11 Crane Operator  
Operates Boom Cranes

Duty B. 1% WG-User defined duty. Not classified by system. The final grade may or may not be appropriate.-  
Equipment Operator duties

Duty C. 14% WL-User defined duty. Not classified by system. The final grade may or may not be appropriate.-  
Performs typical duties of a Working Leader

## List of Modified Duties and Factors:

Pay Plan has been edited.  
Title has been edited and may or may not be appropriate.  
Duty B. has been added.  
Duty C. has been added.

The classification criteria for positions in this menu are located in the OPM, Job Grading Standard, Crane Operator, WG-5725, (TS-17) June 1971.

Grade: WL-11

## V. CLASSIFICATION REMARKS:

Per the JGS for Leader WL/NL TS-39 (Jan 80), the Leader standard classifies the duties as a WL-10, as the highest level non-supervisory employee is a WG-10.

Non-Leader duties classify as WG-11, as shown above in Classification Summary.

Compared salaries of WL-10 and WG-11. Consequently, the position is classified as WL-10, which is the higher pay grade of the two.

Added Duty B: May have to fill in as Equipment Operator. Need to fill in Tasks which are assigned to that duty.